



# ***Advanced Food Sanitation Center (AFSC)***

## ***Overview:***

Existing field food sanitation equipment, although a considerable improvement over the M-67 Immersion Heater, requires significant resources to operate (including water, equipment, fuel, space) and presents environmental hazards (generation of gray-water, disposal pits containing grease, and food wastes). With the recent addition of electric power in most Army field kitchens comes an opportunity to modernize the sanitation function. Accordingly, the **Advanced Food Sanitation Center (AFSC)** will provide a more efficient capability to clean and sanitize food service preparation and serving equipment as well as a method to reduce the quantity of waste water requiring special disposal.

## ***Description:***

The current Food Sanitation Center (FSC), which now consists of three sinks with an M2 burner under each, will be upgraded with a low-cost steam generator to provide a versatile and efficient method to quickly heat water using only one field burner (M-2 or Modern Burner Unit).

Additionally, both powered and non-powered water heating technologies will be considered to provide a small, light-weight, low-cost device that provides hot pressurized water to the sinks.



The AFSC will further enhance the field sanitation capability and alleviate environmental impact of food service operations with an automated gray-water handling and treatment that automatically collects, treats, and discharges waste water in any environment.

Both technical and user testing will be completed to verify system performance and ensure that all operational requirements are met. A fully integrated Advanced Food Sanitation Center will be transitioned to the production phase at the end of FY00.

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